





# 1

## GENERAL INFORMATION

Swarovski offers a comprehensive range of services, tailored to customers' requirements, for the application of Swarovski products.

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# APPLICATION MANUAL

This Application Manual offers extensive information on the various Application Services provided by Swarovski. Thanks to their outstanding quality, and with the help of specially

developed application techniques, Swarovski products can be processed easily and quickly to produce a high-quality finished product. The processes involved are described

in this manual on a step-by-step basis, with photos and illustrations. Each application method contains detailed information on the following areas:

Product Overview	Swarovski products that are suitable for the application technique in question
Machines and Tools	List of machines and tools necessary for application
Suppliers	Selection of suppliers that sell these machines and tools
Application	Detailed description of the entire application process and the product-specific procedure Furthermore, the Hotfix Selector outlines extensive application parameters for suitable product and carrier material combinations
Useful Information	Advice and tips on working with Swarovski products
Quick Assistance	A checklist of typical application problems, along with possible causes and recommendations on avoiding them

Extensive care instructions and further information on laws, regulations, norms, and standards are featured at the end of the manual.

## APPLICATION ONLINE: SWAROVSKI-PROFESSIONAL.COM

All the information contained in this manual is regularly updated on the Swarovski business website SWAROVSKI-PROFESSIONAL.COM. In addition, application techniques are

demonstrated through animations and videos. The site is an excellent way to find out about Swarovski’s application services and application techniques.

### CRYSTAL APPLICATION TECHNIQUES - NEW INSTRUCTION MOVIES

For many crystal application techniques and their most important process steps, Swarovski provides informative demonstration movies, where detailed instructions lead customers to a high quality application result. This movies can be downloaded at SWAROVSKI-PROFESSIONAL.COM



# APPLICATION SERVICES

Swarovski offers a comprehensive range of services, tailored to your requirements, for applying Swarovski products. In doing so, the company aims to meet the needs of each industry, and to jointly offer flexible and integrated solutions.

- Technical enquiry service
- Compliance service
- Technical customer support – field services
- Application Partner Network

## TECHNICAL ENQUIRY SERVICE

Available worldwide, the technical enquiry service can help you in the following areas:

- Product information
- Technical drawing
- Care instructions
- Information on industry standards
- Individual application tests based on customer samples
- Information on machines and tools

SWAROVSKI

*application* SUPPORT

Customer: SWAROVSKI  
Request Number: 100000200X  
Date: 13. July 2016  
Total Pages: 9

Dear Sir or Madam,

Enclosed please find our advice with regard to your application request.

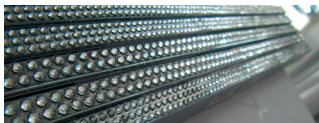

**FIELD OF INTEREST**

- Request: Application on a metallic surface
- Base material: Mirror-glass
- Segment: Interior
- Product group: Crystalex / Crystalex-4

**CONCLUSION AND ADVICE**

Regarding the request from SWAROVSKI we would give following advice. Generally the **application on metallic surfaces is possible**. Please be aware that Hefix is not developed for that kind of application and a valid bonding result cannot be guaranteed. Alternatively (if adhesive or Hefix with external adhesive system), reaches very good bonding results. It depends always on the specifications and needs of the manufacturer. As our Crystalex-4 (self-adhesive) could reach very good bonding result in combination with proper pre-treatment, it is suggested to test this version as well.

Please carry out tests for your own needs and specifications before running production!

Product group	Article no.	Size	Material	SWAROVSKI
ROUND STONES				
Product group	Article no.	Size	Material	SWAROVSKI
ROUND STONES	1008	SS 55	Crystal	
ISO 2768-1	2.0	10.01.2016	2.1	

## COMPLIANCE SERVICE

The worldwide available compliance service can support you in the following areas:

- Certificates
- Information on laws and regulations
- Compliance information of Swarovski crystals
- Compliance statement to customer-specific requirements

ÖT – INSTITUT FÜR ÖKOLOGIE, TECHNIK UND INNOVATION GMBH  
SPRINGSTRASSE 20  
1000 WIEN, AUSTRIA

OEKO-TEX®  
CONFIDENCE IN TEXTILES

## CERTIFICATE

The company  
D. SWAROVSKI KG  
Swarovskistraße 20  
6110 Wilten  
Austria

is granted authorization according to STANDARD 100 by OEKO-TEX® to use the STANDARD 100 by OEKO-TEX® mark, based on our test for the following articles:

**Swarovski Crystals**

The results of the inspection made according to STANDARD 100 by OEKO-TEX®, Appendix 4, product class II have shown that the above mentioned goods meet the human-ecological requirements of the STANDARD 100 by OEKO-TEX® presently established in Appendix 4 for products with direct contact to skin.

The certified articles fulfil requirements of Annex XVII of REACH (incl. the use of azo colorants, nickel release, etc.) as well as the American requirement regarding total content of lead in children's articles (CPSA), with the exception of accessories made from glass.

The holder of the certificate, who has issued a conformity declaration according to ISO 17050-1, is under an obligation to use the STANDARD 100 by OEKO-TEX® mark only in conjunction with products that conform with the sample initially tested. The conformity is verified by audit.

The certificate 35047 is valid until 28.02.2019

Wien, 31.01.2018

Robert Lückner  
Managing Director

Helene Meindtzy  
Manager Department of Ecology

OEKO-TEX® Association | Generalkaserne 23 | P.O. Box 2005 | CH-8027 Zurich

For further information, please contact your local Swarovski office.



## TECHNICAL CUSTOMER SUPPORT – FIELD SERVICES

Swarovski imparts its crystal application expertise through customized

**Crystal Application Workshops, Crystal Application Consultancy, Troubleshooting, and Technical Assessments.** These can take place either on customers' premises or at Swarovski

locations. The focus is always on customers' individual needs, the efficient use of Swarovski products, and on the quality of the crystal application.

Our services have been created to take advantage of our comprehensive crystal

application expertise in the following areas: mastery of the relevant techniques, technical knowledge of Swarovski products, process-engineering competencies, and our experience of crystal application equipment, together with our product manufacturing knowledge of various industries.



## SERVICE RESULTS (dependent on the particular individual service package):

### Prevention of increased development costs through technical input in:

- The correct choice of Swarovski products
- The correct technical design
- The correct application technique
- The correct integration of an application process into the entire process landscape
- Application process set-up

### Prevention of cost complaints through technical input in:

- The correct positioning and arrangement of Swarovski products
- Learning how to check the quality of crystal applications
- Suitability of the customer's equipment and tools

### Prevention of increased staff development costs through:

- Staff training in appropriate application techniques
- Building your technical knowledge base, thereby enabling you to be self-sufficient

## APPLICATION PARTNER NETWORK

As a company with a global sales network and deep understanding of the market, Swarovski has comprehensive knowledge of various application companies and their services from around the world.

Based on this knowledge, Swarovski has developed a global Application Partner Network. These partners offer a wide range of technical and product-related services, as well as tailored production solutions. In order to qualify and to get access to the Application Partner Network,

certain criteria with regard to application techniques, know-how as well as product assortment need to be fulfilled by the application partners.

Application partners can assist you with a variety of application techniques, such as gluing, Hotfix application, sewing, laser cutting of Synthetics, and mechanical application. In addition, many partners can carry out technically complex solutions, such as Flat Back Leather, jewelry manufacturing,

and the automated, mechanical application of products such as Rivets. The services offered by our partners range from product and design consultancy, to prototyping and carrying out production, and make up a key component of our customer focus.

If you are interested in becoming a partner or you need to find a partner, the "Application Partner Platform" on [SWAROVSKI-PROFESSIONAL.COM](http://SWAROVSKI-PROFESSIONAL.COM) or your local Swarovski office offer guidance.



# SWAROVSKI PRODUCTS AND SUITABLE APPLICATION TECHNIQUES

		Soldering	Stone Setting	Plating	Gluing with additional adhesive system	Gluing Self-adhesive Elements	Ceralun	Hotfix Application	Sewing	Embroidery	Hand Application	Mechanical Application
<b>Round Stones</b>			✓		✓		✓					
<b>Fancy Stones &amp; Settings</b>	Fancy Stones		✓		✓		✓					
	Settings <sup>1</sup>	✓	✓	✓	✓				✓ <sup>2</sup>		✓	
<b>Beads</b>									✓ <sup>2</sup>		✓	
<b>BeCharmed &amp; Pavé</b>	BeCharmed Beads & Pavé Balls								✓ <sup>2</sup>		✓	
	BeCharmed Rondelles, Charms & Pavé Pendants								✓ <sup>2</sup>		✓	
<b>Crystal Pearls</b>					✓		✓		✓ <sup>2</sup>		✓	
<b>Pendants</b>					✓				✓ <sup>2</sup>		✓	
<b>Flat Backs No Hotfix</b>			✓		✓		✓					
<b>Flat Backs Hotfix</b>	XILION Rose & XIRIUS Rose							✓				
	Framed Flat Backs							✓				
	Creation Stones							✓				
	Creation Stones Plus							✓				
	Cabochons & Framed Cabochons							✓				
<b>Sew-on Articles</b>	Sew-on Stones								✓		✓	
	Lochrose								✓	✓	✓	
<b>Self-adhesive Elements</b>	Crystal-it Infinity, Crystal Fabric-it, Crystaltex-it, Crystaltex Chaton-it, Crystal Rocks-it, Crystal Fine Rocks-it, Crystal Ultrafine Rocks-it					✓						
	Crystal Fabric Coldfix, Crystal Fine Rocks Coldfix					✓						

<sup>1</sup> Settings with hole: suitable for soldering, plating, sewing, hand application; Settings without hole: suitable for soldering and plating.

Closed Setting with ring on top (C-version): suitable for gluing.

<sup>2</sup> These products should be sewn by hand.

		Soldering	Stone Setting	Plating	Gluing with additional adhesive system	Gluing Self-adhesive Elements	Ceralun	Hotfix Application	Sewing	Embroidery	Hand Application	Mechanical Application
<b>Transfers</b>	XILION Transfers & XIRIUS Transfers							✓				
	Creation Transfers							✓				
	Creation Transfers Plus							✓				
	Mezzo Transfers							✓				
	Cabochon Transfers							✓				
	Crystal Diamond Transfers							✓				
	Framed Flat Back Transfers & Framed Cabochon Transfers							✓				
<b>Synthetics Hotfix</b>	Crystal Fabric				✓			✓				
	Crystal Rocks, Crystal Fine Rocks & Crystal Ultrafine Rocks				✓			✓				
	Graphic Fabric, Graphic Rocks, Graphic Fine Rocks, Graphic Ultrafine Rocks				✓			✓				
	Crystal Galuchat				✓			✓				
	Crystal Medley				✓			✓				
	Crystaltex				✓			✓	✓ <sup>1</sup>			
<b>Plastic Trimmings</b>	Basic Bandings				✓				✓	✓ <sup>2</sup>		
	Mini Rondelles										✓	
<b>Crystal Buttons</b>									✓		✓	
<b>Metal Trimmings</b>	Flat Back Bandings / Motifs				✓				✓			
	Rivets, Square Rivets, Star Rivet, Spike Rivets											✓
	Rose & Chaton Montées								✓ <sup>3</sup>		✓	
	Rose Pins											✓
	3D Studs											✓
<b>Crystal Mesh</b>					✓			✓	✓ <sup>4</sup>			
<b>Cupchains &amp; Findings</b>		✓		✓					✓		✓	

1 Not suitable for Crystaltex Chaton Bandings

2 Art. 50 002, 50 003, and 50 004 (single-row)

3 These products should be sewn by hand.

4 Crystal Fine Mesh has a very tight structure and should therefore be sewn by hand.



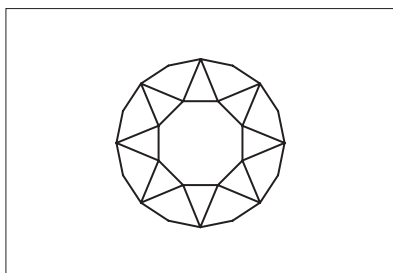
## GENERAL PRODUCT INFORMATION

This list offers an overview of Swarovski products that are suitable for the application methods described. Product categories/descriptions are based on the 2018 Collection.

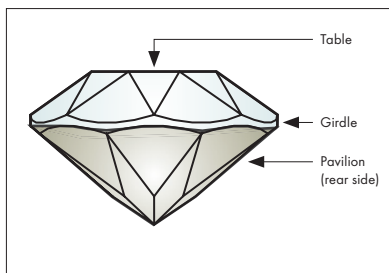
<b>Round Stones</b>	Round Stones are loose crystal elements. Most of them are pointed on the reverse side, making them easy to apply in either metal claw settings or pre-set cavities. The assortment features a wide variety of different cuts, the most innovative one being the XIRIUS Chaton and the smallest one being the XERO Chaton in size PPO.
<b>Fancy Stones &amp; Settings</b>	Fancy Stones are offered in numerous shapes ranging from classical gemstone-inspired cuts to progressive trend cuts. They come in a huge assortment of different sizes and colors. Showing either a faceted or flat reverse side, Fancy Stones can be glued into pre-cast cavities or used in metal settings. Their precision-cut facets ensure the highest brilliance and endow design ideas with a unique sparkle.
<b>Beads</b>	Beads offer the highest standard available on the market. The high-quality precision cutting and the clear through-hole achieve high brilliance and clarity. Rounded hole edges reduce the wear on thread and increase the durability of designs. The assortment is divided into classic, romantic, and progressive shape characteristics. They are available in the latest fashion colors, effects, and cuts.
<b>BeCharmed &amp; Pavé</b>	The BeCharmed assortment, from Beads, Crystal Pearls, Pavé, and Rondelles, to Stoppers and Pavé Balls in a brilliant array of colors and effects, offers unlimited combination possibilities. All products of this unique line feature a high-quality stainless steel part with Swarovski branding and a 4.5 mm-diameter hole, which is the standard size for existing charm concepts, making BeCharmed pieces ideal collectibles.
<b>Crystal Pearls</b>	Crystal Pearls are perfect replicas of genuine pearls. They are made of a unique crystal core covered with an innovative pearl coating, which features a flawless, silky smooth, rounded surface. They are available in a variety of shapes, sizes, and colors and are delivered loosely threaded or, if desired, also knotted.
<b>Pendants</b>	Pendants have timeless elegance and are available in a large range of classical and avant-garde cuts and shapes, as well as in many colors and effects. Pendants offer a whole range of design possibilities for different segments thanks to their easy application, with the hole on top requiring only a jump ring/pinch bail with a chain or cord.
<b>Flat Backs No Hotfix</b>	Flat Backs No Hotfix are loose crystal elements backed with platinum foiling for extra brilliance and protection. These Flat Backs are easy to apply to a variety of carrier materials using standard one- or two-component glues. They are available in a multitude of sizes, colors, shapes, and cuts.
<b>Flat Backs Hotfix</b>	Flat Backs Hotfix are loose crystal elements with a flat reverse side that has been pre-coated with a heat-sensitive glue. These Flat Backs can be easily applied to a large range of textile carrier materials using heat to produce a durable and long-lasting crystal effect. Flat Backs Hotfix are available in a multitude of colors, shapes, and cuts.
<b>Sew-on Articles</b>	Sew-on articles are loose crystals that can be easily sewn (either by hand, or with a standard domestic or industrial embroidery sewing machine) onto any type of textile or accessory. Sew-on articles come in two-hole varieties, including round, oval, and triangle holes for use in a wide range of decorative applications for fine embroidery or even jewelry. Lochrosen are crystals with just one hole. Sew-on articles have rounded edges on the hole entry and exit areas to guarantee thread protection.
<b>Self-adhesive Elements</b>	Self-adhesive Elements such as Crystal-it Infinity, Crystal Fabric-it, Crystaltex-it, Crystaltex Chaton-it, Crystal Rocks-it, Crystal Fine Rocks-it, Crystal Ultrafine Rocks-it, Crystal Fabric Coldfix or Crystal Fine Rocks Coldfix are eye-catching and innovative products that come ready-to-apply. They are pressure-sensitive and self-adhesive. When applied to a carrier material, they can create elegant, romantic, or sporty designs.

<b>Transfers</b>	Transfers are ideal for Hotfix application on various kinds of textiles. They are available in a large range of motifs and numbers of rows, which are made up of different articles from the Flat Back Hotfix assortment. Featuring designs from our in-house design team, they can include XIRIUS and XILION Roses, or Creation Stones, as well as Cabochons.
<b>Synthetics</b>	These versatile products open up a multitude of creative design possibilities through their numerous application techniques. They combine elegant crystals from Swarovski that can be applied using Hotfix technology with synthetic carrier materials. They are ideal for use in the textile, interior design, jewelry, and accessories segments. Synthetic Coldfix is a product developed especially for materials that are not suitable for Hotfix application.
<b>Plastic Trimmings</b>	Plastic Trimmings are plastic carrier materials with integrated crystals. These multi-functional products can either be hand- or machine-sewn, or glued onto various surfaces. The range of bandings not only offers a color selection of chatons, but also a variety of casing colors.
<b>Crystal Buttons</b>	Crystal Buttons can be used in exactly the same way as standard buttons. The assortment of button usage ranges from shirts, blouses, jackets, and coats, through to denim and accessories. They are suitable for hand application and sewing with a machine.
<b>Metal Trimmings</b>	Metal Trimmings are forward-integrated metal products. They can be sewn by hand or machine and mechanically applied onto different fabrics or other materials. Metal Trimmings are bestsellers among the textile, shoe, and accessories segments because their wide range of application possibilities ensures that they can be used in a multitude of different ways.
<b>Crystal Mesh</b>	Crystal Mesh is a flexible metal mesh carrier with integrated loose crystals. The product is available in a wide range of colors and casings, either as a Hotfix version, which can be applied using heat, or as a No Hotfix version that can be hand- or machine-sewn.
<b>Cupchains &amp; Findings</b>	These products are metal chains and findings that can incorporate either Round or Fancy Stones into any creative design. They can be divided into seven sub-categories: Single Stone Settings, Cupchains and Brass Components, Multi Stone Settings, Channels, Rondelles, and Linked Findings. Each of these categories is available in a wide variety of shapes, sizes, colors, and platings.

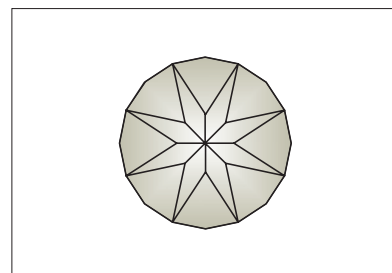
## CRYSTAL SPECIFICATIONS



Front view



Side view



Rear view (Pavilion)



## FOILING

Foiling is the process of mirror coating the reverse side of the crystals.



### Silver Foiling (A)

A silver mirror finish for XIRIUS and XILION Hotfix articles only.



### Platinum\* Pro Foiling (F)

A silver mirror finish that is coated with a platinum colored protective layer of highest quality. The Platinum Pro Foiling is not only resistant to environmental damage from chlorine, salt water, and perfume - it can also withstand processes such as soldering and electroplating, giving it unprecedented durability (e.g. art. 4120).



### Aluminum Foiling (M)

An aluminum mirror finish is applied using a vacuum coating process (e.g. art. 2855 Flat Back HF).



### Protective Layer (P) for Beads and Pendants

Protective layer is a transparent lacquer system that is applied over the effects. This lacquer is designed to protect the effects from scratches, fingerprints, and other damage and also helps to prevent moisture that can lead to corrosion (e.g. from perspiration) penetrating into the effect layer when jewelry is designed to incorporate Crystal Stones that are not set in casings/settings.



### Unfoiled (U)

## EFFECTS

### Vacuum Coating Effects

Vacuum coating processes on the surface of the crystal produce either a special surface or a translucent effect, according to the application methods used.

Please find below a list of all Swarovski effects followed by an explanation of the special vacuum coating processes.

### Surface Effects

(Vacuum coating on the surface of the crystal)



Effect Code	Name
AB	Aurore Boreale
ANTP	Antique Pink
API	Astral Pink
BLSH	Blue Shade
BRSH	Bronze Shade
CAL	Comet Argent Light
COP	Copper
DOR	Dorado
GSHA	Golden Shadow
HEM	Hematite (only on Jet)
IRIG	Iridescent Green
LISH	Lilac Shadow
LTCH	Light Chrome
LUMG	Luminous Green
METBL	Metallic Blue
METSH	Metallic Sunshine
MLGLD	Metallic Light Gold
MOL	Moonlight
NUT	Nut (only on Jet)
PARSH	Paradise Shine
RABDK	Rainbow Dark

REDM	Red Magma
ROGL	Rose Gold
SAT	Satin
SCGR	Scarabaeus Green designed by JPG
SHIM	Shimmer
SSHA	Silver Shade
TRA	Transmission

### Translucent Effects

(Vacuum coating on the reverse side of the crystal, effect shines through the transparent crystal)



Effect Code	Name
BBL	Bermuda Blue
HEL	Heliotrope
MBL	Meridian Blue
SINI	Silver Night
VL	Vitrail Light
VM	Vitrail Medium
VOL	Volcano

### Patina Effects

(Partial coating of the correspondingly modified effects)

Effect Code	Name
BLAPA	Black Patina
GOLPA	Gold Patina
ROSPA	Rose Patina
SILPA	Silver Patina
WHIPA	White Patina

**Shimmer Effects**

Effect Code	Name
001 SHIM	Crystal Shimmer
203 SHIM	Topaz Shimmer
204 SHIM	Amethyst Shimmer
208 SHIM	Siam Shimmer
211 SHIM	Light Sapphire Shimmer
214 SHIM	Peridot Shimmer
215 SHIM	Black Diamond Shimmer
226 SHIM	Light Topaz Shimmer
227 SHIM	Light Siam Shimmer
229 SHIM	Blue Zircon Shimmer
236 SHIM	Hyacinth Shimmer
246 SHIM	Light Colorado Topaz Shimmer
249 SHIM	Citrine Shimmer
259 SHIM	Tangerine Shimmer
360 SHIM	Erinite Shimmer
369 SHIM	Cobalt Shimmer
391 SHIM	Silk Shimmer
502 SHIM	Fuchsia Shimmer

**Crystal Lacquer<sup>PRO</sup> Effects**

A premium opaque varnish which is applied to the reverse side of the crystal instead of foiling, resulting in an opalescent appearance.

**Crystal Lacquer<sup>PRO</sup> Powder Effects**

Effect Code	Name
001 L101	Crystal Powder Yellow
001 L102	Crystal Powder Green
001 L103	Crystal Powder Rose
001 L104	Crystal Powder Blue
001 L105	Crystal Powder Grey

**Crystal Shiny Lacquer<sup>PRO</sup> Effects**

Effect Code	Name
001 L106S	Crystal Ivory Cream
001 L107S	Crystal Royal Red
001 L108S	Crystal Dark Red
001 L109S	Crystal Royal Green
001 L110S	Crystal Royal Blue
001 L111S	Crystal Dark Grey
001 L112S	Crystal Azure Blue
001 L113S	Crystal Peony Pink
001 L114S	Crystal Summer Blue
001 L115S	Crystal Mint Green
001 L116S	Crystal Light Coral

**Crystal Lacquer<sup>PRO</sup> DeLite Effects**

Effect Code	Name
001 L129D	Crystal Light Grey DeLite
001 L130D	Crystal Army Green DeLite
001 L131D	Crystal Ochre DeLite
001 L132D	Crystal Burgundy DeLite
001 L133D	Crystal Cappuccino DeLite

**Variations on Surface Effects****2x**

Both sides of the stone are treated with an effect (e.g. art. 5328 AB 2x).

**B**

Effects on three sides of a cube shape (e.g. art. 5601 AB B).

**V**

The effect is used in reverse. A surface effect is used like a translucent effect (e.g. art. 2420 NoHF SSHA V - Silver Shade on the reverse side).

**Z**

Only a part of the stone is treated with an effect (e.g. art. 4869 HEL Z).

**FC (Full Coated)**

Improved technology allows for the perfectly homogeneous, all-round application of high-intensity metallic effects in the Bead assortment (art. 5000).

**CAL'V'SI & CAL'VZ'SI**

The effect CAL (Comet Argent Light) is also used as a mirror coating on the reverse side of the crystal instead of standard foilings (A, F, ...) in special cases (e.g. art. 2035).

**/G**

Article with partly (PF) or fully frosted (FF) surface (e.g. art. 2611/G).

**Special Surface Effects**




























































Swarovski has been able to achieve special surface effects by using special chemical and mechanical processes on the surface of the crystals.



Effect Code	Name
MAT	Matt Finish

The Matt Finish effect is achieved by performing a chemical matting process on the entire surface of the crystal. Small variations in the size of the articles may occur as a result of this chemical process.

## COLORS

 Crystal 001	 Fuchsia 502	 Capri Blue 243	 Olivine 228
 White Opal 234	 Ruby 501	 <u>Majestic Blue<sup>1</sup></u> 296	 <u>Greige</u> 284
 Light Silk 261	 Siam 208	 Montana 207	 <u>Light Grey Opal</u> 383
 Silk 391	 Burgundy 515	 Light Turquoise 263	 Light Colorado Topaz 246
 Light Peach 362	 Amethyst 204	 Blue Zircon 229	 Jonquil 213
 Rose Water Opal 395	 Tanzanite 539	 Indicolite 379	 <u>Yellow Opal</u> 231
 Vintage Rose 319	 Violet 371	 <u>Indian Sapphire</u> 217	 Light Topaz 226
 <u>Blush Rose</u> 257	 Light Amethyst 212	 <u>Denim Blue</u> 266	 Topaz 203
 Light Rose 223	 <u>Smoky Mauve</u> 265	 Black Diamond 215	 <u>Tangerine</u> 259
 <u>Rose Peach</u> 262	 Provence Lavender 283	 Pacific Opal 390	 Light Smoked Topaz 221
 Padparadscha 542	 Light Sapphire 211	 Chrysolite 238	 Smoked Topaz 220
 Light Siam 227	 Light Azure 361	 Peridot 214	 <u>Smoky Quartz</u> 225
 <u>Scarlet</u> 276	 Aquamarine 202	 Erinite 360	 <u>Graphite</u> 253
 <u>Indian Siam<sup>2</sup></u> 327	 Air Blue Opal 285	 Fern Green 291	 Jet 280
 Rose 209	 Sapphire 206	 Emerald 205	

The here presented colors and effects are based on the Round Stone color chart. For details on available colors and effects for each article within the product groups, please see the product matrix of the respective item in the Collection 2018.

For color and effect samples, please see the corresponding color chart.

The plating resistance of effects is tested according to Swarovski's plating guidelines (SWAROVSKI-PROFESSIONAL.COM). Customers are advised to carry out their own tests if customers' plating parameters diverge from Swarovski plating guidelines.

\* Crystals are not resistant to plating and similar processing.

\*\* Crystals are resistant to plating only if they are F-foiled.

\*\*\* designed by Jean Paul Gaultier.

<sup>1</sup> Majestic Blue's intense ultramarine hue is difficult to recreate accurately in print due to the fact that the CMYK color spectrum is used in the printing process. In order to get a truer impression of its color, please use RGB digital pictures or, ideally, ask for actual samples.

<sup>2</sup> The color Indian Siam is available only for a specific size range.

Please refer to the current Collection.

**Classic Colors/Effects:** This color range offers a wide choice of traditional Swarovski crystal colors and effects.

**Exclusive Colors/Effects:** This color range is offered exclusively by Swarovski.

Colors and effects can appear different when illuminated with different light sources. Swarovski uses standard light source D50 for color decision and comparison. Slight changes in shades are unavoidable. Colors may vary according to cut and foiling.

The composition of Advanced Crystal is compliant with regulatory industry norms and laws regarding the restriction or prohibition of certain substances in the most relevant segments of our customers. Please note that the compliance of the crystal colors Citrine, Fireopal, Hyacinth, Light Siam, Siam, and Yellow Opal varies according to certain industry regulations. Those regulations are indicated with \* in the compliance overview. Indian Siam and Scarlet (option to Lt. Siam) conform to all CLEAR-lists.

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## EFFECTS

-  Crystal Silver Shade  
001 SSHA
-  Crystal Moonlight  
001 MOL
-  Crystal Aurore Boreale  
001 AB
-  Crystal Luminous Green\*  
001 LUMG
-  Crystal Golden Shadow  
001 GSHA
-  Crystal Metallic Sunshine\*  
001 METSH
-  Crystal Rose Gold\*  
001 ROGL
-  Crystal Astral Pink  
001 API
-  Crystal Antique Pink\*  
001 ANTP
-  Crystal Vitrail Light\*\*  
001 VL
-  Crystal Paradise Shine\*  
001 PARSH
-  Crystal Vitrail Medium\*\*  
001 VM
-  Crystal Bermuda Blue\*\*  
001 BBL
-  Crystal Metallic Blue\*  
001 METBL
-  Crystal Blue Shade\*  
001 BLSH
-  Crystal Scarabaeus Green\*/\*\*\*  
001 SCGR
-  Crystal Rainbow Dark\*  
001 RABDK
-  Crystal Dorado\*  
001 DOR
-  Crystal Metallic Light Gold\*  
001 MLGLD
-  Crystal Light Chrome\*  
001 LTCH
-  Crystal Comet Argent Light\*  
001 CAL
-  Crystal Silver Night\*\*  
001 SINI
-  Jet Hematite\*  
280 HEM






CRYSTAL LACQUER<sup>PRO</sup>  
EFFECTSCrystal Lacquer<sup>PRO</sup> Powder  
Effects

-  Crystal Powder Yellow\*  
001 L101
-  Crystal Powder Rose\*  
001 L103
-  Crystal Powder Blue\*  
001 L104
-  Crystal Powder Green\*  
001 L102
-  Crystal Powder Grey\*  
001 L105

Crystal Shiny Lacquer<sup>PRO</sup>  
Effects

-  Crystal Ivory Cream\*  
001 L106S
-  Crystal Light Coral\*  
001 L116S
-  Crystal Royal Red\*  
001 L107S
-  Crystal Peony Pink\*  
001 L113S
-  Crystal Dark Red\*  
001 L108S
-  Crystal Lilac\*  
001 L126S
-  Crystal Summer Blue\*  
001 L114S
-  Crystal Royal Blue\*  
001 L110S
-  Crystal Azure Blue\*  
001 L112S
-  Crystal Mint Green\*  
001 L115S
-  Crystal Royal Green\*  
001 L109S
-  Crystal Lime\*  
001 L125S
-  Crystal Buttercup\*  
001 L124S
-  Crystal Dark Grey\*  
001 L111S







Crystal Lacquer<sup>PRO</sup> DeLite  
Effects

-  Crystal Light Grey DeLite\*  
001 L129D
-  Crystal Burgundy DeLite\*  
001 L132D
-  Crystal Army Green DeLite\*  
001 L130D
-  Crystal Ochre DeLite\*  
001 L131D
-  Crystal Cappuccino DeLite\*  
001 L133D

CRYSTAL PATINA  
EFFECTS

-  Crystal White Patina  
001 WHIPA
-  Crystal Rose Patina\*  
001 ROSPA
-  Crystal Silver Patina\*  
001 SILPA
-  Crystal Gold Patina\*  
001 GOLPA
-  Crystal Black Patina\*  
001 BLAPA

## SHIMMER EFFECTS

-  Light Siam Shimmer  
227 SHIM
-  Light Sapphire Shimmer  
211 SHIM
-  Black Diamond Shimmer  
215 SHIM
-  Erinite Shimmer  
360 SHIM
-  Light Colorado Topaz Shimmer  
246 SHIM
-  Light Topaz Shimmer  
226 SHIM



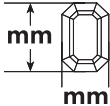
SIZES

• PP 0 0.70–0.80 mm	• PP 23 (SS 11) 2.90–3.00 mm	• SS 30 6.32–6.50 mm	• SS 47 10.54–10.91 mm
• PP 1 (SS 000) 0.80–0.90 mm	• PP 24 (SS 12) 3.00–3.20 mm	• SS 31 6.50–6.68 mm	
• PP 2 (SS 00) 0.90–1.00 mm	• PP 25 (SS 13) 3.20–3.30 mm	• SS 32 6.68–6.87 mm	• SS 48 10.91–11.30 mm
• PP 3 (SS 0) 1.00–1.10 mm	• PP 26 (SS 13) 3.30–3.40 mm	• SS 33 6.87–7.07 mm	
• PP 4 (SS 1) 1.10–1.20 mm	• PP 27 (SS 14) 3.40–3.50 mm	• SS 34 7.07–7.27 mm	• SS 49 11.30–11.72 mm
• PP 5 (SS 2) 1.20–1.30 mm	• PP 28 (SS 14) 3.50–3.60 mm	• SS 35 7.27–7.48 mm	
• PP 6 (SS 2) 1.30–1.35 mm	• PP 29 (SS 15) 3.60–3.70 mm	• SS 36 7.48–7.70 mm	• SS 50 11.72–11.97 mm
• PP 7 (SS 3) 1.35–1.40 mm	• PP 30 (SS 15) 3.70–3.80 mm	• SS 37 7.70–7.93 mm	
• PP 8 (SS 3) 1.40–1.50 mm	• PP 31 (SS 16) 3.80–4.00 mm	• SS 38 7.93–8.16 mm	• SS 55 12.97–13.22 mm
• PP 9 (SS 4) 1.50–1.60 mm	• PP 32 (SS 17) 4.00–4.10 mm	• SS 39 8.16–8.41 mm	• SS 60 14.22–14.47 mm
• PP 10 (SS 4) 1.60–1.70 mm	• PP 33 (SS 17) 4.10–4.20 mm	• SS 40 8.41–8.67 mm	
• PP 11 (SS 5) 1.70–1.80 mm	• SS 18 4.20–4.40 mm	• SS 41 8.67–8.95 mm	• SS 65 15.47–15.72 mm
• PP 12 (SS 5) 1.80–1.90 mm	• SS 19 4.40–4.60 mm	• SS 42 8.95–9.23 mm	• SS 70 16.72–16.97 mm
• PP 13 (SS 6) 1.90–2.00 mm	• SS 20 4.60–4.80 mm	• SS 43 9.23–9.53 mm	• SS 75 17.97–18.22 mm
• PP 14 (SS 6) 2.00–2.10 mm	• SS 21 4.80–4.90 mm	• SS 44 9.53–9.85 mm	
• PP 15 (SS 7) 2.10–2.20 mm	• SS 22 4.90–5.10 mm	• SS 45 9.85–10.19 mm	
• PP 16 (SS 7) 2.20–2.30 mm	• SS 23 5.10–5.27 mm	• SS 46 10.19–10.54 mm	
• PP 17 (SS 8) 2.30–2.40 mm	• SS 24 5.27–5.44 mm		
• PP 18 (SS 8) 2.40–2.50 mm	• SS 25 5.44–5.61 mm		
• PP 19 (SS 9) 2.50–2.60 mm	• SS 26 5.61–5.78 mm		
• PP 20 (SS 9) 2.60–2.70 mm	• SS 27 5.78–5.96 mm		
• PP 21 (SS 10) 2.70–2.80 mm	• SS 28 5.96–6.14 mm		
• PP 22 (SS 10) 2.80–2.90 mm	• SS 29 6.14–6.32 mm		

Various measurement abbreviations are used to classify the jewelry stones.



**PP, SS**  
Pearl Plate (PP), Sieve Size or Stone Size (SS) for round crystals.



**mm**  
Metric figures in millimeters for crystal components and geometric forms.

